

## **ABSTRACT**

“ELECTRONIC BALLAST FOR HO FLUORESCENT LAMPS”, the present patent is described as an electronic ballast which, in accordance with the characteristics thereof, possesses as a principle the formation of an electronic piece of equipment intended for the control of HO fluorescent lamps (A) incorporating a proprietary structure and containing a properly customized, integrated and complete electronic circuit (1), arranged in a casing as a protection element of the assembly in internal and external environments, being formed by a power factor rectification and control block (2), a half-bridge block (3) and an ignition pulse block (4), in order to make available a device for control and activation of HO fluorescent lamps (A) capable of being operated in any environment and with the purpose of controlling from one to six lamps, flexible to the installation needs, depending exclusively on the sum of power of the HO fluorescent lamps (A), which cannot exceed three hundred and ninety watts.